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PTO/SB/08A (08-09)

Approved for use through 10/31/2002. OMB 0651-0031

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Substitute for form 1449A/PTO

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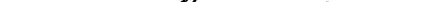
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Sheet 1 of 1

Complete If Known	
Application Number	09/639,908
Filing Date	AUGUST 16, 2000
First Named Inventor	RAYMOND A. JOAO
Group Art Unit	2164
Examiner Name	P. KANOF
Attorney Docket Number	RJ251

U.S. PATENT DOCUMENTS

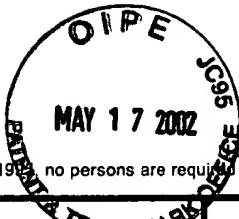
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Examiner Signature		Date Considered	2/10/2003
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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if applicable. ⁶ If the document is not in English, indicate language of original document and language of translation if English translation is attached.

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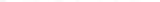
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Attorney Docket Number	RJ251

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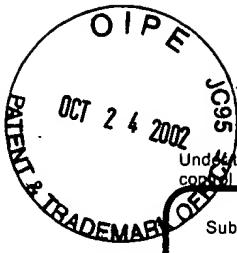
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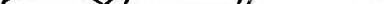
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number	09/639,908
<i>(use as many sheets as necessary)</i>		Filing Date	AUGUST 16, 2000
		First Named Inventor	RAYMOND A. JOAO
		Art Unit	3624
		Examiner Name	J. BERGIN
Sheet	1	of	1
		Attorney Docket Number	RJ251

U.S. PATENT DOCUMENTS

Examiner Initials'	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
JSB		us-5,920,848	07-06-1999	SCHUTZER, ET	AL.
JSB		us-6,047,270	04-04-2000	JOAO, ET AL.	
JSB		us-5,903,830	05-11-1999	JOAO, ET AL.	
JSB		us-5,878,337	03-02-1999	JOAO, ET AL.	
JSB		us-5,940,809	08-17-1999	MUSMANNO, ET	AL.
JSB		us-5,270,922	12-14-1993	HIGGINS	
JSB		us-4,774,663	09-27-1988	MUSMANNO, ET	AL.
JSB		us-4,674,044	06-16-1987	KALMUS, ET AL.	
JSB		us-5,890,140	03-30-1999	CLARK, ET. AL.	
JSB		us-5,710,889	01-20-1998	CLARK, ET AL.	
JSB		us-5,703,949	12-30-1997	ROSEN	
JSB		us-5,671,280	09-23-1997	ROSEN	
JSB		us-5,245,535	09-14-1993	WEISS, ET AL.	
JSB		us-4,751,640	06-14-1988	LUCAS, ET AL.	
JSB		us-5,193,056	03-09-1993	BOES	
JSB		us-4,554,418	11-19-1985	TOY	
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